

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	5	shozo with kadota.in. and inserting with lead with wire	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/11 09:56
S2	0	kazuaki with kosaka.in. and inserting with lead with wire not S1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/11 18:21
S3	0	minoru with kitani.in. and inserting with lead with wire not S1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/11 09:56
S4	1	("4434550").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 09:57
S5	7	("3257711"   "3319324"   "3443298"   "3907008").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 10:47
S6	70	("20060164794" "4395585" "4598813" "5701662" "5864945" "6205655" "4253291" "4845588" "5004359" "5745991" "5997204" "6802120" "20030012004" "4327483" "4388679" "4399913" "4456358" "4477943" "4609319" "4953371" "5027156" "5252777" "5262923" "5267554" "5280782" "5368602" "5513780" "5569298" "5589681" "5671560" "5725205" "5738533" "5766167" "5766260" "5799382" "5810864" "5822844" "5853210" "5917975" "6021244" "6042683" "6063103" "6074101" "6122163" "6145906" "6176718" "6428334" "6665908" "20010007800" "20060041194" "5898983" "4287668" "4367584" "4457573" "5867893" "6008840" "4288914" "4347552" "4461073" "4510806" "4516737" "4516318" "4547960" "4814621" "4847730" "5787939" "5853557" "6071756" "6231370" "4292727" ).pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/11 11:35
S7	4	("4628595").URPN.	USPAT	OR	ON	2007/09/11 16:24
S8	17	("4135630"   "4329776"   "4356949"   "4429456"   "4628595"   "4635341"   "4744141"   "4745679"   "4750263"   "4753382"   "4757600"   "4759112"   "4760639"   "5119536"   "5145047"   "5165165"   "5457874").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 16:25

## EAST Search History

S9	1	("4051593").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 16:28
S10	3	("3597824"   "3724055"   "3777350").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 16:29
S11	15	("3777350").URPN.	USPAT	OR	ON	2007/09/11 16:29
S12	31	("4051593").URPN.	USPAT	OR	ON	2007/09/11 16:31
S13	20	("4329776").URPN.	USPAT	OR	ON	2007/09/11 16:33
S14	15	("2964749"   "3253327"   "3401548"   "3593404"   "4179803"   "4202092"   "4218817"   "4286380"   "4329776"   "4472668"   "4625399"   "4653794").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 16:37
S15	14	("3253327").URPN.	USPAT	OR	ON	2007/09/11 16:38
S16	5	("2964749").URPN.	USPAT	OR	ON	2007/09/11 16:39
S17	9	("4833776").URPN.	USPAT	OR	ON	2007/09/11 16:39
S18	4	("4293999"   "4329776"   "4434550"   "4443936").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 16:56
S19	1	("5029384").URPN.	USPAT	OR	ON	2007/09/11 16:57
S20	28	("3516141"   "3608175"   "3720475"   "4218817"   "4293999"   "4329776"   "4356949"   "4403723"   "4464833"   "4569550"   "4670979"   "4944086"   "5145047"   "5177864"   "5210933"   "5515600"   "5695667"   "5809639"   "5832597"   "5850683"   "5855059"   "6058597"   "6154954"   "6244140"   "6336266"   "6453780").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 16:57
S21	1	("4628595").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 17:00
S22	9	("4744141").URPN.	USPAT	OR	ON	2007/09/11 17:00
S23	7	("3907008"   "3986533"   "4165557"   "4377026"   "4447945"   "4622740"   "4635341").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 17:04
S24	4	("5119536").URPN.	USPAT	OR	ON	2007/09/11 17:05
S25	14	("4165557"   "4212075"   "4286379"   "4292727"   "4309808"   "4356619"   "4464829"   "4557043"   "4574462"   "4590660"   "4622740"   "4627157"   "4745679"   "4749141").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 17:05

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S26	12	("5165165").URPN.	USPAT	OR	ON	2007/09/11 17:06
S27	8	("4312109"   "4472668"   "4510683"   "4598456"   "4621419"   "4654964"   "4705081"   "4833776").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 17:07
S28	3	("4260187"   "4368913"   "4423998").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 17:08
S29	23	("4472668").URPN.	USPAT	OR	ON	2007/09/11 17:08
S30	5	("4944086").URPN.	USPAT	OR	ON	2007/09/11 17:10
S31	25	("2869130"   "3516141"   "4054988"   "4196513"   "4203583"   "4218817"   "4245385"   "4293999"   "4294000"   "4320574"   "4343589"   "4356949"   "4372802"   "4398658"   "4403390"   "4403723"   "4403726"   "4464833"   "4507862"   "4569550"   "5784778"   "5832597"   "5850683").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 17:11
S32	11	("2896213"   "3594889"   "3597824"   "3636624"   "3777350"   "3783488"   "4043032"   "4051593"   "4054988"   "4196513").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 17:12
S33	19	("4293999").URPN.	USPAT	OR	ON	2007/09/11 17:12
S34	7	("3443298").URPN.	USPAT	OR	ON	2007/09/11 17:14
S35	11	("2893010"   "3141492"   "3149340"   "3193171"   "3414024"   "3593404").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 17:14
S36	8	("2969587"   "3040422"   "3442430"   "3539086").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 17:15
S37	21	("3593404").URPN.	USPAT	OR	ON	2007/09/11 17:15
S38	7	("4953061"   "4982376"   "5045976"   "5046243"   "5642266"   "5754407"   "5777852").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 17:16
S39	1	("6071756").URPN.	USPAT	OR	ON	2007/09/11 17:17
S40	12	("3276579"   "3550238"   "3848221"   "4030180"   "4047780"   "4063347"   "4068170"   "4128174"   "4234418"   "4293998").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 17:17
S41	2	inserting with lead with wire with component and grasp\$4 near3 press\$4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/16 20:43

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S42	3	("4530636" "4680523" "4833776") .PN.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/11 18:26
S43	1	"6493927".PN.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/11 18:26
S44	3	("4817930"   "6241230"   "6354580").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 18:27
S45	1	"4530636".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/14 19:08
S46	0	inserting with (lead wire) with (electronic electrical) near2 (part element component) same (print\$3 wiring circuit) near2 (board substrate) and grasp\$4 near3 press\$4 and (variable differen\$3) near2 (pressure rigid\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/16 20:47
S47	2	inserting with (lead wire) with (electronic electrical) near2 (part element component) same (print\$3 wiring circuit) near2 (board substrate) and (grasp\$4 press\$4 push\$3) with (variable differen\$3) near2 (pressure force rigid\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/16 20:48
S48	2	insert\$3 with (lead wire) with (electronic electrical) near2 (part element component) same (print\$3 wiring circuit) near2 (board substrate) and (urg\$4 grasp\$4 press\$4 push\$3) with (variable differen\$3) near2 (pressure force) and (lead wire (electronic electrical) near2 (part element component)) with (differen\$3 variety var\$5) with (size shape rigid\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/16 20:56
S49	7	("2236373"   "3755659"   "3862047"   "3879993"   "4176205"   "4558590").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/16 20:54
S50	15	("4803871").URPN.	USPAT	OR	ON	2007/09/16 20:54

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S51	2	insert\$3 with (lead wire pin leg) with (electronic electrical) near2 (part element component) same (print\$3 wiring circuit) near2 (board substrate) and (urg\$4 grip\$4 hold\$3 grasp\$4 press\$4 push\$3) with (variable differen\$3) near2 (pressure force magnitude) and (lead wire pin leg (electronic electrical) near2 (part element component)) with (differen\$3 variety vary\$4 variable) with (size shape rigid\$4) and (urg\$4 grip\$4 hold\$3 grasp\$4 press\$4 push\$3) with (control\$4 monitor\$3 measur\$3 detect\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/16 21:10
S52	8	insert\$3 with (lead wire pin leg) with (electronic electrical) near2 (part element component) same (print\$3 wiring circuit) near2 (board substrate) and (urg\$4 grip\$4 hold\$3 grasp\$4 press\$4 push\$3) with (variable differen\$3) near2 (pressure force magnitude) and (urg\$4 grip\$4 hold\$3 grasp\$4 press\$4 push\$3) with (control\$4 monitor\$3 measur\$3 detect\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/16 21:10
S53	1	("4434550").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/16 21:50
S54	4	("4628595").URPN.	USPAT	OR	ON	2007/09/16 21:51